APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/782,738	02/12/2001	Karen L. Capers	01 P 7465 US	9666

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EXAMINER
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ART UNIT	PAPER NUMBER
2151	4

DATE MAILED: 05/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.		Applicant(s)
Office Action Summary	09/782,738		CAPERS ET AL.
	Examiner		Art Unit
	Hassan Phillips		2151

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>17 May 2001</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
   closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-21</u> is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-21</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>12 February 2001</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
         application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date _____.
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: On page 14, lines 4, an incorrect reference numeral "512" is used in describing the step where the ICS 40 presents a capacity request to the operator. The examiner feels the correct reference numeral should be "514". Appropriate correction is required.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 3, 5, 7, 9, 11, 13-20, are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Hawkins, U.S. patent publication 2001/0032254.

3. In considering claims 1 and 9, Hawkins discloses a method for providing data applications for a mobile device 100, through an integrated communication server 180, of a private network 172, comprising:

    a) Receiving unsolicited messages in an external format from an external

        data source for the mobile device, (page 11, paragraph 161);

    b) Converting the unsolicited messages from the external format to an

        internal format and providing the unsolicited messages in the internal

        format to the mobile device, (page 5, paragraph 85).

4. In considering claims 3 and 11, the method of Hawkins further discloses:

    a) Receiving a response message in the internal format from the mobile

        device for the external data source, the response message based on the

        unsolicited message, (page 11, paragraph 161);

    b) Converting the response message from the internal format to the external

        format and providing the response message in the external format to the

        external data source, (page 5, paragraph 85).

5. In considering claim 5, Hawkins discloses a method for providing data

applications for a mobile device through an integrated communication server of a

private network, comprising:

    a) Receiving a request message 124, in an internal format from the mobile

        device for an external data source, converting the request message from

        the internal format to an external format, and providing the request

        message in the external format 126, to the external data source 140,

        (page 6, paragraph 93, also see Fig. 1).

6. In considering claim 7, Hawkins further discloses:

   a) Receiving a response message 136 in the external format from the external data source for the mobile device, the response message based on the request message, converting the response message from the external format to the internal format, and providing the response message in the internal format 132 to the mobile device, (page 6, paragraph 93, also see Fig. 1).

7. In considering claim 13, Hawkins discloses:

   a) An integrated communication server 180, of a private network 172, operable to provide data applications for a mobile device 100, the server operable to convert incoming data in one of a plurality of external formats into incoming data in an internal format, (page 5, paragraph 85).

8. In considering claim 14, Hawkins further discloses:

   a) Receiving the incoming data in the external format from an external data source, the external format for the incoming data based on the external data source, (page 6, paragraph 93).

9. In considering claim 15, Hawkins further discloses:

a) Sending the incoming data in the internal format to the mobile device,

(page 6, paragraph 93).

10. In considering claim 16, Hawkins further discloses:

a) Converting outgoing data in the internal format into outgoing data in one of

the external formats, the external format for the outgoing data based on a

corresponding external data source operable to receive the outgoing data,

(page 6, paragraph 93).

11. In considering claim 17, Hawkins further discloses:

a) Receiving the outgoing data in the internal format from the mobile device,

(page 6, paragraph 93).

12. In considering claim 18, Hawkins further discloses:

a) Sending the outgoing data in the external format to the corresponding

external data source, (page 6, paragraph 93).

13. In considering claim 19, Hawkins further discloses:

a) Implementing an abstraction for each of the external formats, (page 5,

paragraph 85).

14. In considering claim 20, it is inherent in the method disclosed by Hawkins that

the server 180 provides:

a) An interface for each of a plurality of external data sources, each external

data source corresponding to one of the external formats, each of the

interfaces decoupled from the abstraction of the corresponding format,

(page 5, paragraph 85, also see Fig. 1).

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set
forth in section 102 of this title, if the differences between the subject matter sought to be patented and
the prior art are such that the subject matter as a whole would have been obvious at the time the
invention was made to a person having ordinary skill in the art to which said subject matter pertains.
Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 2, 4, 6, 8, 10, 12, 21, are rejected under 35 U.S.C. 103(a) as being

unpatentable over Hawkins, in view of Halahmi, U.S. patent 6,684,088.

3. In considering claims 2, 4, 6, 8, 10, and 12, Hawkins further discloses:

a) The internal format for the mobile device messages comprising compact

markup language (CML), (page 11, paragraph 161).

Although the disclosed method of Hawkins shows substantial features of the

claimed invention, it fails to expressly disclose:

a) The internal format comprising extensible markup language (XML).

Nevertheless, in a similar field of endeavor Halahmi discloses a system and method for transmitting e-mail messages to mobile devices comprising:

    a) Converting an unsolicited message to an internal format of a mobile device, the internal format comprising XML, (col. 6, lines 10-17).

Given the teachings of Halahmi, it would have been obvious to one of ordinary skill in the art to modify the teachings of Hawkins to have the internal format for the mobile device messages comprise XML. This would have provided messages comprising vast amounts of functionality, and in a format most suitable for presentation on the mobile device, Halahmi, col. 6, lines 12-17.

4. In considering claim 21, Hawkins discloses a method for providing data applications for a mobile device through an integrated communication server of a private network, comprising:

    a) Receiving unsolicited messages in an external format from an external data source for the mobile device, (page 6, paragraph 95);

    b) Converting the unsolicited messages from the external format to an internal format and providing the unsolicited messages in the internal format to the mobile device, (page 5, paragraph 85);

    c) Receiving a response message in the internal format from the mobile device for the external data source, the response message based on the unsolicited message, (page 11, paragraph 161);

d) Converting the response message from the internal format to the external

format and providing the response message in the external format to the

external data source, (page 5, paragraph 85);

e) Receiving a request message, in an internal format from the mobile device

for an external data source, converting the request message from the

internal format to an external format, and providing the request message

in the external format, to the external data source, (page 6, paragraph 93,

also see Fig. 1);

f) Receiving a response message in the external format from the external

data source for the mobile device, the response message based on the

request message, converting the response message from the external

format to the internal format, and providing the response message in the

internal format to the mobile device, (page 6, paragraph 93, also see Fig.

1).

Although the disclosed method of Hawkins shows substantial features of the

claimed invention, it fails to expressly disclose:

a) The internal format comprising XML.

Nevertheless, in a similar field of endeavor Halahmi discloses a system and

method for transmitting e-mail messages to mobile devices comprising:

a) Converting an unsolicited message to an internal format of a mobile

device, the internal format comprising XML, (col. 6, lines 10-17).

Given the teachings of Halahmi, it would have been obvious to one of ordinary

skill in the art to modify the teachings of Hawkins to have the internal format for the

mobile device messages comprise XML. This would have provided messages

comprising vast amounts of functionality, and in a format most suitable for presentation

on the mobile device, Halahmi, col. 6, lines 12-17.

Conclusion

1. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

Hawkins, U.S. patent publication 2001/0032254 discloses a method for providing

data applications for a mobile device.

Halahmi, U.S. patent 6,684,088 discloses a system and method for displaying

unsolicited messages on mobile devices.

2. Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Hassan Phillips whose telephone number is (703)

305-8760. The examiner can normally be reached on M-F 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Glenton Burgess can be reached on (703) 305-4792. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

HP/
4/28/04

FRANTZ B. JEAN
PRIMARY EXAMINER